

Title (en)
Flue dust discharging method and system

Title (de)
Rauchstaubabgabeverfahren und -system

Title (fr)
Procédé et dispositif de décharge de cendres volantes

Publication
EP 2123778 A1 20091125 (EN)

Application
EP 08007871 A 20080423

Priority
EP 08007871 A 20080423

Abstract (en)
A dust discharging system for a blast furnace includes a dust collector (90) for collecting flue dust (907) from flue gas produced from the blast furnace, a first discharge conduit (903) connected to the dust collector (90), a separator (2) connected to the first discharge conduit (903) for separating residual flue gas present in the flue dust (907), and an airtight tank (3) disposed below the first discharge conduit (903) to receive the flue dust (907) in a dry state separated from the residual flue gas.

IPC 8 full level
C21B 7/00 (2006.01); **C21B 7/22** (2006.01)

CPC (source: EP)
C21B 7/002 (2013.01); **C21B 7/22** (2013.01); **C21C 5/38** (2013.01); **C21C 5/40** (2013.01); **C21B 2100/44** (2017.04); **F27D 17/008** (2013.01); **Y02P 10/25** (2015.11)

Citation (applicant)
• JP S63178816 A 19880722 - KAWASAKI STEEL CO, et al
• CN 2543965 Y 20030409 - DENG XUEZHENG [CN]
• SU 1521779 A1 19891115 - DN Z METALL OBORU [SU], et al

Citation (search report)
• [XY] JP S63178816 A 19880722 - KAWASAKI STEEL CO, et al
• [XY] CN 2543965 Y 20030409 - DENG XUEZHENG [CN]
• [Y] SU 1521779 A1 19891115 - DN Z METALL OBORU [SU], et al
• [A] JP 2003305326 A 20031028 - MITSUBISHI CHEM CORP

Cited by
CN102743929A; CN107841589A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2123778 A1 20091125; EP 2123778 B1 20100707; AT E473300 T1 20100715; DE 602008001721 D1 20100819

DOCDB simple family (application)
EP 08007871 A 20080423; AT 08007871 T 20080423; DE 602008001721 T 20080423